Date:12-6-2025
Tech stack :PYTHON
Topic : For Loop
Task:
Prepare a document for For Loop

```python
# for loop : day2
# ------------------------------------
# largest number in the list
abc = [1,2,3,4,5];
# using methods------
print(max(abc)) # 5
print(min(abc)) # 1
# using condition----
abc = [1,2,3,4,5];
maxNumber = abc[0]
for i in abc:
    if i > maxNumber:
        maxNumber = i
print(maxNumber,"is the max value")
#output:5 is the max value
# ----------------------------------------
# for min number
abc = [1,2,3,4,5]
min=abc[0]
for i in abc:
    if i < min:
        min = i
print(min,"is the min value")
#output : 1 is the min value
# -----------------------------------------
# Remove duplicates form the list by taking new array
abc = [1,2,3,3,3,4,4,5,6,6,6,6,7,7,8,10,1]
result = []
for i in abc:
    if i not in result:
        result.append(i)
print(result)
#output :[1, 2, 3, 4, 5, 6, 7, 8, 10]
# ---------------------------------------------------
# check given str is a palindrome or not a palindrome ex: wow,sis,pop,lol
```

```python
str = input("Enter the String : ")
revstr = ""
# method 1 accesing by indexc values
for char in range(len(str)-1,-1,-1):
    revstr += str[char]
# metho 2 accessing direct values
for char in str[::-1]: # called slicing
    revstr += char
if str == revstr:
    print(f"{str} is a palindromeString")
if str != revstr:
    print(f"{str} is not a palindromeString")
```

```python
# # output:
# Enter the String : wow
# wow is a palindromeString
# Enter the String : happy
# happy is not a palindromeString
# -------------------------------------------------------
#Removing spaces from a string manualy
```

```python
abc ="this is shiva" # space also concider as a value
print(abc,len(abc),"length of original")
result=""
for char in abc:
    if char != " ":
        result += char
print(result,"result", len(result) , "length after clearing space")
# # output:
# this is shiva 13 length of original
# thisisshiva result 11 length after clearing space
```